

Conceptual Approach to the Vacant Land Scenario
Based on the 2/25/03 Protective Measures Subgroup Call

Exposures at Vacant Land

- Subgroup focused on exposures to humans. Environmental receptors (environmentally sensitive areas) should be addressed separately.
- The potential for exposure of humans to elevated levels of arsenic and lead in soil at vacant or undeveloped lots is greatest for properties that are in or adjacent to residential or child-use areas.
- Exposure patterns change as properties are developed, due to construction activity and changes in land use.

Categories of Vacant Land under Consideration

- Vacant land proposed for development
- Vacant land not proposed for development in or near residential areas
- Other vacant land not proposed for development

Activities at Vacant Land Proposed for Development

- In general, responses to area-wide soil contamination at vacant land proposed for development should be consistent with responses for the proposed land use.
 - For example, the Task Force believes that the responses outlined for child-use areas are appropriate for vacant land properties proposed for development as child-use areas.
- New development may also present an important opportunity to carry out additional cleanup activities.
 - Since development activities generally already involve manipulation of the soil and grade at a site, it may be cheaper and easier to implement certain protective measures.
- *What, if any, additional activities should be recommended for vacant properties proposed for development?*

Activities at Vacant Land Not Proposed for Development and Not Near Residential Areas

- The potential for exposure of humans in this scenario is low.
- Broad-based education and awareness building activities may be sufficient to address health risks from potential exposure.

Activities at Vacant Land Not Proposed for Development in or Near Residential Areas

- Very difficult scenario
- *Beyond using broad-based education and awareness building to provide information on the issue and encourage parents, etc. to make sure to consider not just potential for exposures on their properties but also in other places where children play, what, if any, activities should be recommended for vacant properties in or near residential areas that are not proposed for development?*